

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES  
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1-23 (Cancelled)

24. (New) A vaccine for vaccinating a living being against infections by leishmania, the said vaccine comprising:
- a DNA expression construct comprising covalently-closed, linear deoxyribonucleotide molecules;
  - said deoxyribonucleotide molecules each comprising a linear double-stranded region;
  - said double-stranded region comprising single strands being linked by short, single-stranded loops of deoxyribonucleic acid nucleotides;
  - said double strand-forming single strands comprising:
    - a terminator sequence, and
    - a coding sequence encoding at least the p36 LACK antigen under control of a promoter sequence and operable in the living being to be immunized;
  - said DNA expression construct being covalently linked to at least one oligopeptide to increase transfection efficacy;
  - said at least one oligopeptide comprises 3 to 30 amino acids; at least half of said amino acids of said at least one oligopeptide are members of a group comprising arginine and lysine; wherein the vaccine further comprises at least one oligopeptide consisting of the amino acid sequence of SEQ ID 3.